



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

September 15, 2015

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 15-0402, 35th Avenue Site
Superfund Remedial

FROM: Denise Goddard
Office of Quality Assurance Chemist

THRU: Jeannie Williamson, Acting Chief
Office of Quality Assurance

TO: Richard Jardine

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the associated contract Statement Of Work (SOW). In general, project data quality objectives have not been used to evaluate these data prior to release by the Office of Quality Assurance. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report.

Analyses Included in this report:

Method Used:

Accreditations:

Total Metals (TMTL)

Total Metals
Total Metals

CLP Inorganics (Soil)
CLP Inorganics (Water)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Report Narrative for Work Order: C153603 Analysis: TMTL

Inorganic Data Review and Validation Report

Site Name: 35TH Avenue Site, Birmingham, AL

Case No.: 45527, Project No. 15-0402, Work Order Nos. C153603, C153604

ELEMENT Sample IDs.: C153603-01 – 21, C153604-01, 02

Sampling Date(s): 8/18 – 19/15

Validated Time of Sample Receipt: 8/20/15

Laboratory Performing Inorganic Analyses: Chemtech Consulting Group, Mountainside, NJ

Date Received from Lab: 9/8/15

Analyses conducted: Total Metals

The ESAT Work Team has reviewed the above-captioned CLP data package consisting of one water sample (an equipment rinse blank) and 22 soil samples for total metals by ICP-AES analyses according to the contract Statement of Work ISM02.2 and EPA guidelines. This package presents acceptable contractual and technical performance with qualifications. Additional details are provided below.

Examination of laboratory blank samples revealed no contamination that required reporting limit adjustment.

ICP-AES Analysis

PE Sample Results

The performance evaluation sample recoveries for metals in soil by ICP-AES were scored as within limits by the web-based SPS Web software. Therefore, no data qualifiers were applied on the basis these criteria.

There was not a performance evaluation sample submitted for metals in water by ICP-AES.

Other QA/QC Results

There were no other QA/QC problems observed for metals analysis. Therefore, no data qualifiers were applied to the sample results for metals based on these criteria.

A Stage 4 validation consisting of manual review was performed on the inorganic samples submitted for this case.

cc: Nardina Turner



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

SAMPLES INCLUDED IN THIS REPORT

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID	Laboratory ID	MD#	D#	Matrix	Date Collected
ER 8-19-15	C153603-01	9DW5	9DW5	Equipment Rinse Blank	8/19/15 15:00
CV0321A-CS-0-4	C153603-02	9DW3	9DW3	Surface Soil	8/18/15 09:15
CV0321A-CS12	C153603-03	9DT4	9DT4	Surface Soil	8/18/15 09:50
CV0321A-CS18	C153603-04	9DT5	9DT5	Surface Soil	8/18/15 10:00
CV0321A-CS24	C153603-05	9DT6	9DT6	Surface Soil	8/18/15 10:10
CV0321A-CS6	C153603-06	9DT7	9DT7	Surface Soil	8/18/15 09:40
CV0321A-CSD6	C153603-07	9DT8	9DT8	Surface Soil	8/18/15 09:45
CV0321B-CS-0-4	C153603-08	9DW4	9DW4	Surface Soil	8/18/15 09:20
CV0321B-CS12	C153603-09	9DT9	9DT9	Surface Soil	8/18/15 10:40
CV0321B-CS18	C153603-10	9DW0	9DW0	Surface Soil	8/18/15 10:50
CV0321B-CS24	C153603-11	9DW1	9DW1	Surface Soil	8/18/15 11:00
CV0321B-CS6	C153603-12	9DW2	9DW2	Surface Soil	8/18/15 10:30
CV1119B-CS12	C153603-13	9DW6	9DW6	Surface Soil	8/19/15 09:50
CV1119B-CS18	C153603-14	9DW7	9DW7	Surface Soil	8/19/15 10:00
CV1119B-CS24	C153603-15	9DW8	9DW8	Surface Soil	8/19/15 10:10
CV1119B-CS6	C153603-16	9DW9	9DW9	Surface Soil	8/19/15 09:40
CV1198B-CS12	C153603-17	9DX0	9DX0	Surface Soil	8/19/15 11:20
CV1198B-CS18	C153603-18	9DX1	9DX1	Surface Soil	8/19/15 11:30
CV1198B-CS24	C153603-19	9DX2	9DX2	Surface Soil	8/19/15 11:40
CV1198B-CS6	C153603-20	9DX3	9DX3	Surface Soil	8/19/15 11:10
CV1198B-CSD6	C153603-21	9DX4	9DX4	Surface Soil	8/19/15 11:15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

DATA QUALIFIER DEFINITIONS

U The analyte was not detected at or above the reporting limit.
CLP36 Identification/Concentration of analyte not confirmed by ICP-MS.

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service
Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: ER 8-19-15

Lab ID: C153603-01

MD No: 9DW5 CHEM

Station ID:

Matrix: Equipment Rinse Blank

D No: 9DW5 CHEM

Date Collected: 8/19/15 15:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
7440-38-2	Arsenic	10	U	ug/L	10	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	10	U	ug/L	10	8/28/15	8/28/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321A-CS-0-4

Lab ID: C153603-02

MD No: 9DW3 CHEM

Station ID: CV0321A

Matrix: Surface Soil

D No: 9DW3 CHEM

Date Collected: 8/18/15 9:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	78		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	12	CLP36	mg/kg dry	0.94	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	320		mg/kg dry	0.94	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321A-CS12

Lab ID: C153603-03

MD No: 9DT4 CHEM

Station ID: CV0321A

Matrix: Surface Soil

D No: 9DT4 CHEM

Date Collected: 8/18/15 9:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	88		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	11	CLP36	mg/kg dry	0.83	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	33		mg/kg dry	0.83	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321A-CS18

Lab ID: C153603-04

MD No: 9DT5 CHEM

Station ID: CV0321A

Matrix: Surface Soil

D No: 9DT5 CHEM

Date Collected: 8/18/15 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	90		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	13	CLP36	mg/kg dry	0.78	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	32		mg/kg dry	0.78	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321A-CS24

Lab ID: C153603-05

MD No: 9DT6 CHEM

Station ID: CV0321A

Matrix: Surface Soil

D No: 9DT6 CHEM

Date Collected: 8/18/15 10:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	89		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	12	CLP36	mg/kg dry	0.80	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	31		mg/kg dry	0.80	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321A-CS6

Lab ID: C153603-06

MD No: 9DT7 CHEM

Station ID: CV0321A

Matrix: Surface Soil

D No: 9DT7 CHEM

Date Collected: 8/18/15 9:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	11	CLP36	mg/kg dry	0.83	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	73		mg/kg dry	0.83	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321A-CSD6

Lab ID: C153603-07

MD No: 9DT8 CHEM

Station ID: CV0321A

Matrix: Surface Soil

D No: 9DT8 CHEM

Date Collected: 8/18/15 9:45

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	12	CLP36	mg/kg dry	0.89	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	66		mg/kg dry	0.89	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321B-CS-0-4

Lab ID: C153603-08

MD No: 9DW4 CHEM

Station ID: CV0321B

Matrix: Surface Soil

D No: 9DW4 CHEM

Date Collected: 8/18/15 9:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	82		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	14	CLP36	mg/kg dry	0.87	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	420		mg/kg dry	0.87	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321B-CS12

Lab ID: C153603-09

MD No: 9DT9 CHEM

Station ID: CV0321B

Matrix: Surface Soil

D No: 9DT9 CHEM

Date Collected: 8/18/15 10:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	88		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	14	CLP36	mg/kg dry	0.83	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	48		mg/kg dry	0.83	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321B-CS18

Lab ID: C153603-10

MD No: 9DW0 CHEM

Station ID: CV0321B

Matrix: Surface Soil

D No: 9DW0 CHEM

Date Collected: 8/18/15 10:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	88		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	14	CLP36	mg/kg dry	0.79	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	39		mg/kg dry	0.79	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321B-CS24

Lab ID: C153603-11

MD No: 9DW1 CHEM

Station ID: CV0321B

Matrix: Surface Soil

D No: 9DW1 CHEM

Date Collected: 8/18/15 11:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	87		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	8.1	CLP36	mg/kg dry	0.82	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	20		mg/kg dry	0.82	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV0321B-CS6

Lab ID: C153603-12

MD No: 9DW2 CHEM

Station ID: CV0321B

Matrix: Surface Soil

D No: 9DW2 CHEM

Date Collected: 8/18/15 10:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	86		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	14	CLP36	mg/kg dry	0.82	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	250		mg/kg dry	0.82	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1119B-CS12

Lab ID: C153603-13

MD No: 9DW6 CHEM

Station ID: CV1119B

Matrix: Surface Soil

D No: 9DW6 CHEM

Date Collected: 8/19/15 9:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	86		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	9.6	CLP36	mg/kg dry	0.80	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	22		mg/kg dry	0.80	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1119B-CS18

Lab ID: C153603-14

MD No: 9DW7 CHEM

Station ID: CV1119B

Matrix: Surface Soil

D No: 9DW7 CHEM

Date Collected: 8/19/15 10:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	90		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	6.4	CLP36	mg/kg dry	0.80	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	19		mg/kg dry	0.80	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1119B-CS24

Lab ID: C153603-15

MD No: 9DW8 CHEM

Station ID: CV1119B

Matrix: Surface Soil

D No: 9DW8 CHEM

Date Collected: 8/19/15 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	88		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	11	CLP36	mg/kg dry	0.78	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	25		mg/kg dry	0.78	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1119B-CS6

Lab ID: C153603-16

MD No: 9DW9 CHEM

Station ID: CV1119B

Matrix: Surface Soil

D No: 9DW9 CHEM

Date Collected: 8/19/15 9:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	83		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	20	CLP36	mg/kg dry	0.88	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	140		mg/kg dry	0.88	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1198B-CS12

Lab ID: C153603-17

MD No: 9DX0 CHEM

Station ID: CV1198B

Matrix: Surface Soil

D No: 9DX0 CHEM

Date Collected: 8/19/15 11:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	86		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	24	CLP36	mg/kg dry	0.86	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	150		mg/kg dry	0.86	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1198B-CS18

Lab ID: C153603-18

MD No: 9DX1 CHEM

Station ID: CV1198B

Matrix: Surface Soil

D No: 9DX1 CHEM

Date Collected: 8/19/15 11:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	88		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	14	CLP36	mg/kg dry	0.81	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	52		mg/kg dry	0.81	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1198B-CS24

Lab ID: C153603-19

MD No: 9DX2 CHEM

Station ID: CV1198B

Matrix: Surface Soil

D No: 9DX2 CHEM

Date Collected: 8/19/15 11:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	87		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	11	CLP36	mg/kg dry	0.82	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	34		mg/kg dry	0.82	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1198B-CS6

Lab ID: C153603-20

MD No: 9DX3 CHEM

Station ID: CV1198B

Matrix: Surface Soil

D No: 9DX3 CHEM

Date Collected: 8/19/15 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	86		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	20	CLP36	mg/kg dry	0.79	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	180		mg/kg dry	0.79	8/21/15	8/21/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0402

Project: 15-0402, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0402, 35th Avenue Site

Contract Lab Case: 45527

Sample ID: CV1198B-CSD6

Lab ID: C153603-21

MD No: 9DX4 CHEM

Station ID: CV1198B

Matrix: Surface Soil

D No: 9DX4 CHEM

Date Collected: 8/19/15 11:15

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		8/21/15	8/21/15	CLP Inorganics
7440-38-2	Arsenic	28	CLP36	mg/kg dry	0.80	8/21/15	8/21/15	CLP ISM02.2 P
7439-92-1	Lead	180		mg/kg dry	0.80	8/21/15	8/21/15	CLP ISM02.2 P